AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-4. (canceled).

5. (currently amended): A broadband line driver comprising:

an amplifying device with an input and an output;

a transforming device coupled in series with the output of the amplifying device;

a first input terminal and a second input terminal as well as a first output terminal and a second output terminal;

the amplifying device having a first and a second device input terminal and a first and a second device output terminal;

the transforming device comprising:

a transformer with transformation ratio 1:n,

a primary winding with a first terminal and a second terminal,

a secondary winding with a first terminal and a second terminal,

the first device output terminal being coupled to a first terminal of the primary winding of the transformer,

the second device output terminal being coupled to the second terminal of the primary winding,

the first terminal of the secondary winding being coupled to the first output terminal, and

the second terminal of the secondary winding being coupled to the second output terminal;

a first resistor being connected between the second output terminal and the first device input terminal; and

a second resistor being coupled between the first output terminal and the second device input terminal;

wherein the transforming device is located in a feedback loop that couples the output of the amplifying device to the input of the amplifying device.

6. (previously presented): The broadband driver according to claim 5, wherein:

the first device input terminal is coupled to the first input terminal over a third resistor,

the second device input terminal is coupled to the second input terminal of the line driver over a fourth resistor,

a fifth resistor is connected between the first terminal of the secondary winding of the transformer and the first output terminal, and a sixth resistor is connected between the second terminal of the secondary winding of the transformer and the second output terminal,

a seventh resistor is connected between the first terminal of the secondary winding of the transformer and the first device input terminal and a eighth resistor is connected between the second terminal of the secondary winding of the transformer and the second device input terminal.

7. (previously presented): The broadband line driver according to claim 6, wherein the third resistor and the fourth resistor have substantially the same resistance value.

8. (previously presented): The broadband line driver according to claim 6, wherein the fifth resistor and the sixth resistor have substantially the same resistance value.

9. (previously presented): The broadband line driver according to claim 6, wherein the seventh resistor and the eighth resistor have substantially the same resistance value.

10. (previously presented): The broadband line driver according to claim 5, wherein the first resistor and the second resistor have substantially the same resistance value.

11-12. (canceled).